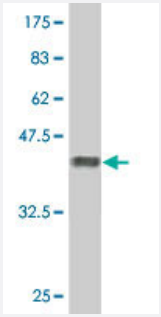
LIMK2 polyclonal antibody (A01)

Catalog # H00003985-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.22 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant LIMK2.
Immunogen	LIMK2 (NP_005560, 152 a.a. ~ 252 a.a) partial recombinant protein with GST tag.
Sequence	LISMPATTEGRRGFSVSVESACSNYATTVQVKEVNRMHISPNNRNAIHPGDRILEINGTPVRTLRVE EVEDAISQTSQTLQLLIEHDPVSQRLDQLRLEAR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.22 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — LIMK2

Entrez GeneID	3985
GeneBank Accession#	NM_005569
Protein Accession#	NP_005560
Gene Name	LIMK2
Gene Alias	-
Gene Description	LIM domain kinase 2
Omim ID	601988
Gene Ontology	Hyperlink
Gene Summary	There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they c ontain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Althou gh zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protei n-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique co mbination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encode d by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is tho ught that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by R efSeq
Other Designations	-

Pathway

- Axon guidance
- Fc gamma R-mediated phagocytosis
- Regulation of actin cytoskeleton

Disease

- Azoospermia
- Infertility
- Kidney Failure
- Oligospermia
- Tobacco Use Disorder